



A02-0040 1/24/02

National Environmental Achievement Track

Application Form

Nucor Steel Auburn, Inc.

Name of facility

Nucor Corporation

Name of parent company (if any)

25 Quarry Road

Street address

Street address (continued)

Auburn, NY 13021

City/State/Zip code

Give us information about your contact person for the
National Environmental Achievement Track Program.

Name Stephen A. Green

Title Environmental Manager

Phone (315) 258-4230

Fax (315) 253-8441

E-mail sagreen@nucorauburn.com

Why do we need this information?

EPA needs background information on your facility to evaluate your application.

What do you need to do?

- Provide background information on your facility.
- Identify your environmental requirements.

Section A

Tell us about your facility.

1 What do you do or make at your facility?

We recycle steel scrap through an electric arc furnace and rolling mill to produce steel bars, rods, channels, angles, flats and rebar. Our products are recyclable and have post-consumer recycled content of greater than 98%.

2 List the Standard Industrial Classification (SIC) code(s) or North American Industrial Classification System (NAICS) codes that you use to classify business at your facility.

SIC
3312

NAICS
331 33111 3312

3 Does your company meet the Small Business Administration definition of a small business for your sector?

☐ Yes ☒ No

4 How many employees (full-time equivalents) currently work at your facility?

- ☐ Fewer than 50
☐ 50-99
☒ 100-499
☐ 500-1,000
☐ More than 1,000

Section A, continued

5 Does your facility have an EPA ID number(s)?

☒ Yes

☐ No

If yes, list in the right-hand column.

NYD066785650

6 Identify the environmental requirements that apply to your facility. Use the Environmental Requirements Checklist, at the back of the instructions, as a reference. List your requirements to the right **or** enclose a completed Checklist with your application.

See the attached "Environmental Requirements Checklist."

7 Check the appropriate box in the right-hand column.

☐ I've listed the requirements above.

☒ I've enclosed the Checklist with my application.

8 Optional: Is there anything else you would like to tell us about your facility?

In 2000, this facility won the New York Governor's Waste Reduction & Recycling Achievement of Excellence Award for recycling 95% of all wastes/materials generated from steelmaking in 1999. We also surpassed our improvement objective in 2000 by recycling 99%.

Why do we need this information?

Facilities need to have an operating Environmental Management System (EMS) that meets certain requirements.

What do you need to do?

- Confirm that your EMS meets the Achievement Track requirements.
- Tell us if you have completed a self-assessment or have had a third-party assessment of your EMS.

Section B

Tell us about your EMS.

1 Check **yes** if your EMS meets the requirements for each element below as defined in the instructions.

a. Environmental policy ☒ Yes

b. Planning ☒ Yes

c. Implementation and operation ☒ Yes

d. Checking and corrective action ☒ Yes

e. Management review ☒ Yes

2 Have you completed at least one EMS cycle (plan-do-check-act)? ☒ Yes

3 Did this cycle include both an EMS and a compliance audit? ☒ Yes

4 Have you completed an objective self-assessment or third-party assessment of your EMS? ☒ Yes

If yes, what method of EMS assessment did you use?

☒ Self-assessment

☐ GEMI

☒ Other

☐ CEMP

Based on ISO 14,001

☐ Third-party assessment

☐ ISO 14001 Certification

☐ Other

Why do we need this information?

Facilities need to show that they are committed to improving their environmental performance. This means that you can describe past achievements and will make future commitments.

What do you need to do?

Refer to the Environmental Performance Table in the instructions to answer questions 1 and 2.

Section C

Tell us about your past achievements and future commitments.

- 1 Describe your past achievements for at least two environmental aspects. If you need more space than is provided, attach copies of this page.

Note to small facilities: If you qualify as a small facility as defined in the instructions, you need to report past achievement for at least one environmental aspect.

First aspect you've selected

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
	Quantity	Units	Quantity	Units
Total Solid Waste	22.5	pounds waste disposed per ton steel produced	2.32	pounds waste disposed per ton steel produced
<p>i. How is the current level an improvement over the previous level?</p> <p>We improved our recycle rate from 95% in 1999 to over 99% in 2000, exceeding our improvement objective. This rate is based on the weight of waste recycled versus the total weight of wastes generated in a calendar year. In 2000, we recycled over 99,000 tons of waste. We disposed a little more than 500 tons.</p>				
<p>ii. How did you achieve this improvement?</p> <p>This improvement was achieved by recycling a greater percentage of certain waste streams and by recycling new waste streams. Our universe of waste streams includes slag, mill scale, baghouse dust (listed hazardous waste KO61), used oil, spent solvent, pallets, steel drums, spent lamps, spent batteries, spent computers & parts, paper & cardboard, soda bottles & cans, and trash. We recycle all of these waste streams except for the trash.</p>				

Second aspect you've selected

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
Hazardous Solid Waste	Quantity 33.6	Units lbs dust /ton steel	Quantity 30.0	Units lbs dust /ton steel
<p>i. How is the current level an improvement over the previous level?</p> <p>We reduced the generation rate of our baghouse dust, listed hazardous waste K061, by 10.7% since 1999.</p>				
<p>ii. How did you achieve this improvement?</p> <p>By improving the method in which lime is added to the electric furnace, thereby minimizing lime lost to the baghouse. This reduced the baghouse dust generation rate and minimized our consumption of lime.</p>				

- 2 Select at least four environmental aspects (no more than two from any one category) from the Environmental Performance Table in the instructions and then tell us about your future commitments. If you need more space than is provided, attach copies of this page.

Note to small facilities: If you are a small facility, you need to make commitments for at least two environmental aspects in two different categories.

First aspect you've selected

- a. What is the aspect? Recycled/Reused Materials Use
- b. Is this aspect identified as significant in your EMS? ☒ Yes ☐ No
- c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.
- | | |
|--|--------------------------|
| <input checked="" type="checkbox"/> Option A:
Absolute value | none
(Quantity/Units) |
| <input checked="" type="checkbox"/> Option B:
In terms of
units of production
or output | none
(Quantity/Units) |

d. What is the level you are committing to achieve over the next three years? You may choose to state this as an absolute level or in terms of units of production or output.

- ☒ Option A:
Absolute value 500 tons of tires per year
(Quantity/Units)
- ☐ Option B:
In terms of
units of production (Quantity/Units)
or output

e. How will you achieve this improvement?

We plan to use scrap tires as an alternative carbon source in our electric furnace as market conditions allow. In addition to recovering carbon, this recovers the thermal value of the tires and their steel content. Nucor presently purchases electricity from the local grid and uses coal in the steel making process. Recycling tires in this manner also ensures that they don't litter the landscape or consume valuable landfill space.

In preparing for this project, extensive stack tests of air emissions from our electric furnace and its baghouse control system, with and without the use of tires, were conducted in 2000. The design and conduct of these tests were overseen by the State. Results showed that no significant increase in emissions occurred when tires were used as an alternative carbon source in the electric furnace. The State subsequently modified our Air Permit to allow for the use of scrap tires in this manner. No changes were required with respect to emission limits.

A Scrap Tire Storage Permit was also secured and a Fire Protection Plan was prepared and implemented in support of this effort.

Once we have accumulated sufficient operational data, we will measure and report the estimated amount of purchased carbon saved by this project.

This recycling commitment furthers the State's goal to recycle scrap tires and reduce their storage and disposal, which is a growing environmental and health concern across the State.

Second aspect you've selected

a. What is the aspect?

Emissions of Particulate Matter

b. Is this aspect identified as significant in your EMS?

☒ Yes ☐ No

c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.

- ☒ Option A:
Absolute value 72%
(Quantity/Units)
- ☐ Option B:
In terms of
units of production (Quantity/Units)
or output

d. What is the level you are committing to achieve over the next three years? You may choose to state this as an absolute level or in terms of units of production or output.

- ☒ Option A:
Absolute value 93%
(Quantity/Units)
- ☐ Option B:
In terms of
units of production (Quantity/Units)
or output

e. How will you achieve this improvement?

We plan to pave key, high truck traffic areas in the main plant raising the percentage of these areas that are paved from 72% to 93%. This will require paving approximately 57,000 square feet of truck traffic areas that are presently unpaved.

These unpaved areas are presently dirt. If left untreated during dry periods, their use can result in significant levels of fugitive particulate emissions. Paving the unpaved areas will virtually eliminate fugitive particulate emissions and the need for alternative controls such as dust suppressants. In 2001, over 13,000 gallons of dust suppressants were used to control fugitive emissions from these areas. The suppressants were non-hazardous and NY DOT-approved. Paving these high traffic areas will eliminate the need to use thousands of gallons of dust suppressant each year, and will improve storm water runoff quality.

We will make an effort to quantify the particulate improvement achieved by taking opacity observations under similar, dry conditions, before and after these areas are paved.

Third aspect you've selected

a. What is the aspect?	Total Solid Waste
b. Is this aspect identified as significant in your EMS?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.	<div><input type="checkbox"/> Option A: Absolute value (Quantity/Units)</div> <div><input checked="" type="checkbox"/> Option B: In terms of units of production or output 2.32 pounds waste disposed/ton steel produced (Quantity/Units)</div>
d. What is the level you are committing to achieve over the next three years? You may choose to state this as an absolute level or in terms of units of production or output.	<div><input type="checkbox"/> Option A: Absolute value (Quantity/Units)</div> <div><input checked="" type="checkbox"/> Option B: In terms of units of production or output 2.0 pounds waste disposed/ton steel generated (Quantity/Units)</div>
e. How will you achieve this improvement?	<p>We will reduce our disposal rate by about 13%. This improvement will be achieved by maximizing the number and amounts of waste streams recycled.</p> <p>Our universe of waste streams includes slag, mill scale, baghouse dust (listed hazardous waste KO61), used oil, spent solvent, pallets, steel drums, spent lamps, spent batteries, spent computers & parts, paper & cardboard, soda bottles & cans, and trash.</p> <p>In 2000, we recycled approximately 99,000 tons of waste out of about 99,564 tons that were generated. That's a recycle rate exceeding 99%.</p>

Fourth aspect you've selected

a. What is the aspect?	Total Water Use
b. Is this aspect identified as significant in your EMS?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.	<div><input type="checkbox"/> Option A: Absolute value (Quantity/Units)</div> <div><input checked="" type="checkbox"/> Option B: In terms of units of production or output 215 gallons city water/ton steel produced (Quantity/Units)</div>
d. What is the level you are committing to achieve over the next three years? You may choose to state this as an absolute level or in terms of units of production or output.	<div><input type="checkbox"/> Option A: Absolute value (Quantity/Units)</div> <div><input checked="" type="checkbox"/> Option B: In terms of units of production or output 204 gallons city water/ton steel produced (Quantity/Units)</div>

e. How will you achieve this improvement?

We will reduce our city water consumption by about 5%. This reduced consumption will be achieved through equipment upgrades and/or process and chemistry changes and improvements.

At our current production level of about 450,000 tons of steel per year, this will save almost five million gallons of water per year.

Why do we need this information?

Facilities need to demonstrate their commitment to public outreach and performance reporting. You should have appropriate mechanisms in place to identify community concerns, to communicate with the public, and to provide information on your environmental performance.

Section D

Tell us about your public outreach and reporting.

What do you need to do?

- Describe your approach to public outreach.
- List three references who are familiar with your facility.

1 How do you identify and respond to community concerns?

We monitor community concerns through the media, our participation in local, community and government organizations, and by staying in close contact with local government leaders. We respond to these concerns, if appropriate, primarily through our participation in these groups. This process is documented in our EMS, our Environment, Safety & Health Policy, and elsewhere as appropriate.

2 How do you inform community members of important matters that affect them?

We inform community members of matters of importance through personal contact, by participation in appropriate community organizations, and we regularly post current environmental information about our business and facility on our Web Site.

We also have a robust Public Outreach Program that is documented in our EMS. In 2000, we conducted a cooperative Environmental Studies Program with the Cayuga County Community College, during which the Class toured our facilities and studied our Environmental Program. In 2000 and 2001, the Board of Cooperative Educational Services (BOCES) New Visions Environmental Sciences Class held its class here, toured our plant, and also studied our Environmental Program. This is a group of high school seniors preparing to undertake environmental studies in college.

Also in 2000, we hosted a meeting and tour by the State Assembly Minority Steering Committee and presented in detail, our Environmental Program. This year, we did the same with the Leadership Cayuga Board, an affiliate of the Cayuga County Chamber of Commerce. We also hosted two tours and meetings on our Environmental Program with State business associations.

In 2002, we are continuing the cooperative environmental studies with BOCES and Leadership Cayuga. We are also considering another Open House for employees, their families and the public, and a

Household Hazardous Waste Collection Day for employees and their families.

3 How will you make the Achievement Track Annual Performance Report available to the public?

☒ Website www.nucorauburn.com

☐ Newspaper

☒ Open Houses

☒ Other

The report will also be made available to the local, civic and government organizations in which we participate.

4 Are there any ongoing citizen suits against your facility?

☐ Yes

☒ No

If yes, describe briefly in the right-hand column.

5 List references below

	Organization	Name	Phone number
<i>Representative of a Community/ Citizen Group</i>	United Way of Cayuga County	Sarah Diffin	(315) 253-9741
<i>State/Local Regulator</i>	NY Department of Environmental Conservation	Chuck Chernoff	(315) 426-7555
	City of Auburn, NY	Bruce Ross	(315) 255-4135
<i>Other community/local reference</i>	NY State Assembly	Gary D. Finch	(315) 255-3045

Section E

Application and Participation Statement.

On behalf of Nucor Steel Auburn, Inc.
[my facility],

I certify that

- I have read and agree to the terms and conditions, as specified in the *National Environmental Achievement Track Program Description* and in the *Application Instructions*;
- I have personally examined and am familiar with the information contained in this Application (including, if attached, the Environmental Requirements Checklist). The information contained in this Application is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete, and I have no reason to believe the facility would not meet all program requirements;
- My facility has an environmental management system (EMS), as defined in the Achievement Track EMS requirements, including systems to maintain compliance with all applicable federal, state, tribal, and local environmental requirements, in place at the facility, and the EMS will be maintained for the duration of the facility's participation in the program;
- My facility has conducted an objective assessment of its compliance with all federal, state, tribal, and local environmental requirements, and the facility has corrected all identified instances of potential or actual noncompliance;
- Based on the foregoing compliance assessment and subsequent corrective actions (if any were necessary), my facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with applicable federal, state, tribal, and local environmental requirements.

I agree that EPA's decision whether to accept participants into or remove them from the National Environmental Achievement Track is wholly discretionary, and I waive any right that may exist under any law to challenge EPA's acceptance or removal decision.

I am the senior facility manager and fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is applying to this program.

Signature/Date

Printed Name/Title K. Rex Query/General Manager

Facility Name Nucor Steel Auburn, Inc.

Facility Street Address 25 Quarry Road, Auburn, NY 13021

Facility ID Numbers NYD066785650

National Environmental Achievement Track

Environmental Requirements Checklist

We've included the following Checklist to help you answer questions in Section A, Tell us about your facility. The Checklist will help you identify the major federal, state, tribal, and local environmental requirements that apply at your facility, but it is not an exhaustive list of all environmental requirements that may be applicable at your facility.

If you use this Checklist and choose to submit it with your application, fill in your facility information below and enclose the completed Checklist with your application (see instructions).

Air Pollution Regulations

Check All That Apply

- ☐ 1. National Emission Standards for Hazardous Air Pollutants (40 CFR 61)
- ☒ 2. Permits and Registration of Air Pollution Sources
- ☒ 3. General Emission Standards, Prohibitions and Restrictions
- ☐ 4. Control of Incinerators
- ☒ 5. Process Industry Emission Standards
- ☒ 6. Control of Fuel Burning Equipment
- ☒ 7. Control of VOCs
- ☒ 8. Sampling, Testing and Reporting
- ☒ 9. Visible Emissions Standards
- ☒ 10. Control of Fugitive Dust
- ☐ 11. Toxic Air Pollutants Control
- ☐ 12. Vehicle Emissions Inspections and Testing

- ☒ 13. Other (you must list these) Federal, State, Tribal or Local Regulations Not Listed Above
6NYCRR 200, 201, 211, 212, 216

Hazardous Waste Management Regulations

Check All That Apply

- ☒ 1. Identification and Listing of Hazardous Waste (40 CFR 261)
 - ☒ - Characteristic Waste
 - ☒ - Listed Waste
- ☒ 2. Standards Applicable to Generators of Hazardous Waste (40 CFR 262)
 - ☒ - Manifesting
 - ☒ - Pre-transport requirements
 - ☒ - Record keeping/reporting
- ☐ 3. Standards Applicable to Transporters of Hazardous Waste (40 CFR 263)
 - ☐ - Transfer facility requirements
 - ☐ - Manifest system and record-keeping
 - ☐ - Hazardous waste discharges
- ☒ 4. Standards for Owners and Operators of TSD Facilities (40 CFR 264)
 - ☐ - General facility standards
 - ☒ - Preparedness and prevention
 - ☒ - Contingency plan and emergency procedures

- ☒ - Manifest system, Record keeping and reporting
- ☐ - Groundwater protection
- ☐ - Financial requirements
- ☒ - Use and management of containers
- ☐ - Tanks
- ☐ - Waste piles
- ☐ - Land treatment
- ☐ - Incinerators
- ☐ 5. Interim Standards for TSD Owners and Operators (40 CFR 265)
- ☐ 6. Interim Standards for Owners and Operators of New Hazardous Waste Land Disposal Facilities (40 CFR 267)
- ☐ 7. Administered Permit Program (Part B) (40 CFR 270)
- ☒ 8. Other (you must list these) Federal, State, Tribal or Local Regulations Not Listed Above
6NYCRR 370, 371, 372, 374, 376, 483

Hazardous Materials Management

Check All That Apply

- ☐ 1. Control of Pollution by Oil and Other Hazardous Substances (33 CFR 153)
- ☒ 2. Designation of Reportable Quantities and Notification of Hazardous Materials Spill (40 CFR 302)
- ☒ 3. Hazardous Materials Transportation Regulations (49 CFR 172-173)
- ☒ 4. Worker Right-to-Know Regulations (29 CFR 1910.1200)
- ☒ 5. Community Right-to-Know Regulations (40 CFR 350-372)
- ☒ 6. Other (you must list these) Federal, State, Tribal or Local Regulations Not Listed Above
6NYCRR 595, 612, 613

Solid Waste Management

Check All That Apply

- ☐ 1. Criteria for Classification of Solid Waste Disposal Facilities and Practices (40 CFR 257)
- ☐ 2. Permit Requirements for Solid Waste Disposal Facilities
- ☐ 3. Installation of Systems of Refuse Disposal
- ☐ 4. Solid Waste Storage and Removal Requirements
- ☐ 5. Disposal Requirements for Special Wastes
- ☒ 6. Other (you must list these) Federal, State, Tribal or Local Regulations Not Listed Above
6NYCRR 360, 368, 373

Water Pollution Control Requirements

Check All That Apply

- ☒ 1. Oil Spill Prevention Control and Countermeasures (SPCC) (40 CFR 112)
- ☐ 2. Designation of Hazardous Substances (40 CFR 116)

- ☒ 3. Determination of Reportable Quantities for Hazardous Substances (40 CFR 117)
- ☒ 4. NPDES Permit Requirements (40 CFR 122)
- ☐ 5. Toxic Pollutant Effluent Standards (40 CFR 129)
- ☒ 6. General Pretreatment Regulations for Existing and New Sources (40 CFR 403)
Name of POTW City of Auburn, NY POTW
ID # of POTW NY0021903
- ☐ 7. Organic Chemicals Manufacturing Point Source Effluent Guidelines and Standards (40 CFR 414)
- ☐ 8. Inorganic Chemicals Manufacturing Point Source Effluent Guidelines and Standards (40 CFR 415)
- ☐ 9. Plastics and Synthetics Point Source Effluent Guidelines and Standards (40 CFR 416)
- ☐ 10. Water Quality Standards
- ☐ 11. Effluent Limitations for Direct Dischargers
- ☒ 12. Permit Monitoring/Reporting Requirements
- ☐ 13. Classifications and Certifications of Operators and Superintendents of Industrial Wastewater Plants
- ☐ 14. Collection, Handling, and Processing of Sewage Sludge
- ☐ 15. Oil Discharge Containment, Control and Cleanup
- ☒ 16. Standards Applicable to Indirect Discharges (Pretreatment)
- ☒ 17. Other (you must list these) Federal, State, Tribal or Local Regulations Not Listed Above
6NYCRR 485, 750 thru 757
City of Auburn ordinances

Drinking Water Regulations

Check All That Apply

- ☐ 1. Underground Injection and Control Regulations, Criteria and Standards (40 CFR 144, 146)
- ☐ 2. National Primary Drinking Water Standards (40 CFR 141)
- ☐ 3. Community Water Systems, Monitoring and Reporting Requirements (40 CFR 141)
- ☐ 4. Permit Requirements for Appropriation/Use of Water from Surface or Subsurface Sources
- ☐ 5. Underground Injection Control Requirements
- ☐ 6. Monitoring, Reporting and Record keeping Requirements for Community Water Systems
- ☐ 7. Other (you must list these) Federal, State, Tribal or Local Regulations Not Listed Above

Toxic Substances

Check All That Apply

- ☐ 1. Manufacture and Import of Chemicals, Record-keeping and Reporting Requirements (40 CFR 704)
- ☐ 2. Import and Export of Chemicals (40 CFR 707)

- ☐ 3. Chemical Substances Inventory Reporting Requirements (40 CFR 710)
- ☐ 4. Chemical Information Rules (40 CFR 712)
- ☐ 5. Health and Safety Data Reporting (40 CFR 716)
- ☐ 6. Pre-Manufacture Notifications (40 CFR 720)
- ☐ 7. PCB Distribution Use, Storage and Disposal (40 CFR 761)
- ☐ 8. Regulations on Use of Fully Halogenated Chlorofluoroalkanes (40 CFR 762)
- ☐ 9. Storage and Disposal of Waste Material Containing TCDD (40 CFR 775)

- ☐ 10. Other (you must list these) Federal, State, Tribal or Local Regulations Not Listed Above

Pesticide Regulations

Check All That Apply

- ☐ 1. FIFRA Pesticide Use Classification (40 CFR 162)
- ☐ 2. Procedures Storage and Disposal of Pesticides and Containers (40 CFR 165)
- ☐ 3. Certification of Pesticide Applications (40 CFR 171)
- ☐ 4. Pesticide Licensing Requirements
- ☐ 5. Labeling of Pesticides
- ☐ 6. Pesticide Sales, Permits, Records, Application and Disposal Requirements
- ☐ 7. Disposal of Pesticide Containers
- ☐ 8. Restricted Use and Prohibited Pesticides

- ☐ 9. Other (you must list these) Federal, State, Tribal or Local Regulations Not Listed Above

Environmental Clean-Up, Restoration, Corrective Action

Check All That Apply

- ☐ 1. Comprehensive Environmental Response, Compensation and Liability Act (Superfund) (Please identify)

- ☐ 2. RCRA Corrective Action

- ☐ 3. Other (you must list these) Federal, State, Tribal or Local Regulations Not Listed Above

Facility Name Nucor Steel Auburn, Inc.
Facility Location: 25 Quarry Road, Auburn, NY 13021
Facility ID Number(s): EPA ID Number: NYD066785650

The National Environmental Performance Track is a U.S. Environmental Protection Agency program. Please direct inquiries to 1-888-339-PTRK (7875) or e-mail ptrack@indecon.com. Mail completed applications to:

The Performance Track Information Center
c/o Industrial Economics Incorporated
2067 Massachusetts Avenue
4th Floor
Cambridge, MA 02140